Air Resources Board

Mary D. Nichols, Chair
9480 Telstar Avenue, Suite 4
El Monte, California 91731 www.arb.ca.gov

Matthew Rodriquez
Secretary for
Environmental Protection

Edmund G. Brown Jr.
Governor

June 27, 2017

Reference No. A-2017-237

Mr. Stuart Miyagishima
Advanced Flow Engineering, Inc.
252 Granite Street
Corona, California 92879

Dear Mr. Miyagishima:

This is in response to your request, on behalf of Advanced Flow Engineering, Inc., to update Executive Order D-550-19 for the Air Intake Systems.

Enclosed please find Executive Order D-550-22, permitting advertisement, sales, and installation in California of the Air Intake Systems manufactured by Advanced Flow Engineering, Inc. for those vehicles listed in the enclosed Executive Order. Please note the Executive Order number which must be printed on the identification label and affixed on or near the device.

No changes are permitted to the device as described in your application. Any changes to the device, applicable model-years, etc., must be evaluated and approved by the Air Resources Board.

No claim of any kind, such as "Approved by the Air Resources Board" or "reduces emissions", may be made with respect to the action taken herein in any advertising or other oral or written communication.

If you have any questions, please contact Mr. Tony Martino, Manager, Aftermarket Parts Section, at (626) 575-6848.

Sincerely,

Annette Hebert, Chief
Emissions Compliance, Automotive Regulations and Science Division

Enclosures

cc: See next page

cc: Mr. Peter Treydte
SEMA Garage, Compliance Center Manager
Specialty Equipment Market Association
1575 South Valley Vista Drive
Diamond Bar, California 91765

Tony Martino, Manager
Aftermarket Parts Section
Emissions Compliance, Automotive Regulations and Science Division

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-550-22

Relating to Exemptions Under Section 27156
of the California Vehicle Code

Advanced Flow Engineering, Inc.
Air Intake Systems

Pursuant to the authority vested in the Air Resources Board by Section 27156 of the Vehicle Code; and

Pursuant to the authority vested in the undersigned by Section 39515 and Section 39516 of the Health and Safety Code and Executive Order G-14-012;

IT IS ORDERED AND RESOLVED: That the installation of the Air Intake Systems , manufactured and marketed by Advanced Flow Engineering, Inc., 252 Granite Street Corona, California 92879, has been found not to reduce the effectiveness of the applicable vehicle pollution control systems and, therefore, is exempt from the prohibitions of Section 27156 of the Vehicle Code for the 1991 to 2017 model year Dodge, Chrysler, and Jeep vehicles equipped with a gasoline engine, as listed in Exhibit A.

The Air Intake Systems consists of the following main components: Open or closed element air filter, air intake tubing from throttle body to filter, and all necessary mounting hardware for proper installation. **Installation of the Air Intake System requires the removal of the stock air filter housing and all intake air tubing. If the stock air filter housing contains the vehicle's tune-up & emissions control decal, a replacement decal must be placed in a similar location.**

This Executive Order is valid provided that the installation instructions for the Air Intake Systems will not recommend tuning the vehicle to specifications different from those of the vehicle manufacturer.

Changes made to the design or operating conditions of the Air Intake Systems, as exempt by the Air Resources Board, which adversely affect the performance of the vehicle's pollution control system shall invalidate this Executive Order.

This exemption is issued based on submitted emissions test data, from the SEMA Garage, Diamond Bar, California, on a 2017 model year Dodge 5.7LCharger certified to the LEV II ULEV emission standards, Air Intake Systems, and tested using the Cold-Start CVS-75 Federal Test Procedure (FTP) test cycle and the Supplemental Federal Test Procedure (SFTP US06/SC03 (AC2 test + 20%)) test cycle.

Useful Life FTP Emission Level (w/ df applied, 2 test avg)	NMOG+NOx	CO	HCHO
	0.075	0.7	0.002
Standards	0.110	2.1	0.004

Useful Life SFTP Emission Level (Composite w/ df)	NMOG+NOx	CO
	0.078	1.0
Standards	0.110 (BIN)	4.2

Test results showed that the Air Intake Systems did not cause exhaust emissions to exceed the applicable emission standards during the FTP and SFTP. This Executive Order is also based on the On-Board Diagnostic II (OBD II) testing conducted on the same test vehicle. The Air Intake Systems when installed on the test vehicle did not affect the vehicle's ability to perform its OBD II monitoring. Similar results would be expected from the other kits listed.

The Air Resources Board reserves the right in the future to review this Executive Order and the exemption provided herein to assure that the exempted add-on or modified part continues to meet the standards and procedures of Title 13, California Code of Regulations, Section 2222, et seq.

THIS EXECUTIVE ORDER DOES NOT CONSTITUTE A CERTIFICATION, ACCREDITATION, APPROVAL, OR ANY OTHER TYPE OF ENDORSEMENT BY THE AIR RESOURCES BOARD OF ANY CLAIMS OF THE APPLICANT CONCERNING ANTI-POLLUTION BENEFITS OR ANY ALLEGED BENEFITS OF THE AIR INTAKE SYSTEMS.

This Executive Order shall not apply to any Air Intake Systems advertised, offered for sale, sold with, or installed on a new motor vehicle prior to or concurrent with transfer to an ultimate purchaser.

Marketing of the Air Intake Systems using any identification other than that shown in this Executive Order or marketing of the Air Intake Systems for an application other than those listed in this Executive Order shall be prohibited unless prior approval is obtained from the Air Resources Board.

No claim of any kind, such as "Approved by the Air Resources Board", may be made with respect to the action taken herein in any advertising or other oral or written communication.

Violation of any of the above conditions shall be grounds for revocation of this order. The order may be revoked only after a ten-day written notice of intention to revoke the order, in which period the holder of the order may request in writing a hearing to contest the proposed revocation. If a hearing is requested, it shall be held within ten days of receipt of the request and the order may not be revoked until a determination is made after the hearing that grounds for revocation exist.

Executed at El Monte, California, this 27 day of June 2017.

Annette Hebert, Chief
Emissions Compliance, Automotive Regulations and Science Division

Exhibit A

PN1	PN2	PN3	PN4	Make	Model	YR Fr	YR To	Eng Size
54-12122	51-12122	75-12122		DODGE	DURANGO	2011	2013	3.6L
54-12122	51-12122	75-12122		JEEP	GRAND CHEROKEE	2011	2013	3.6L
54-12242	51-12242	75-12242		DODGE	DURANGO	2011	2013	5.7L
54-12242	51-12242	75-12242		JEEP	GRAND CHEROKEE	2011	2013	5.7L
54-12402	51-12402			DODGE	RAM 1500	2013	2013	5.7L
TR-5201B-R	TR-5201B-D			Dodge	Dart	2013	2016	2.0L
54-12162	51-12162	54-72202	51-72202	DODGE	Challenger/Charger/Chrysler 300C	2011	2017	5.7L
52-72204	52-72204-C	54-12802	51-12802	DODGE	Challenger/Charger	2015	2017	6.2L
54-12172	51-12172	54-72203	51-72203	DODGE	Challenger/Charger/Chrysler 300	2011	2017	6.4L
54-12152-B	51-12152-B	54-72201	51-72201	DODGE	Challenger/Charger/Chrysler 300	2011	2017	3.6L
54-10381	51-10381	75-10381	N/A	DODGE	RAM 1500/2500/3500	2003	2012	5.7L
54-10381	51-10381	75-10381	N/A	DODGE	RAM 1500	2002	2012	3.7L
54-10381	51-10381	75-10381	N/A	DODGE	RAM 1500	2002	2012	4.7L
54-10381	51-10381	75-10381	N/A	DODGE	RAM 1500/2500	2002	2003	5.9L
54-11632	51-11632			DODGE	RAM 2500/3500	2009	2012	5.7L
54-10711	51-10711	75-10711	N/A	DODGE	CHALLENGER	2007	2011	5.7L
54-10711	51-10711	75-10711	N/A	DODGE	CHALLENGER (SRT8)	2009	2010	6.1L
54-10711	51-10711	75-10711	N/A	DODGE	CHARGER	2006	2010	5.7L
54-10711	51-10711	75-10711	N/A	DODGE	CHARGER (SRT8)	2006	2010	6.1L
54-10711	51-10711	75-10711	N/A	CHRYSLER	300C	2005	2010	5.7L
54-10711	51-10711	75-10711	N/A	CHRYSLER	300C (SRT8)	2005	2010	6.1L
54-10711	51-10711	75-10711	N/A	DODGE	MAGNUM	2005	2008	5.7L
54-10711	51-10711	75-10711	N/A	DODGE	MAGNUM (SRT8)	2006	2010	6.1L
F2-02001				DODGE	RAM 2500/3500	2009	2011	5.7L
54-10712	51-10712	75-10712	N/A	DODGE	CHALLENGER	2007	2011	5.7L
54-10712	51-10712	75-10712	N/A	DODGE	CHALLENGER (SRT8)	2009	2010	6.1L
54-10712	51-10712	75-10712	N/A	DODGE	CHARGER	2006	2010	5.7L
54-10712	51-10712	75-10712	N/A	DODGE	CHARGER (SRT8)	2006	2010	6.1L
54-10712	51-10712	75-10712	N/A	DODGE	MAGNUM (SRT8)	2006	2008	6.1L
54-10712	51-10712	75-10712	N/A	CHRYSLER	300C	2005	2010	5.7L
54-10712	51-10712	75-10712	N/A	CHRYSLER	300C (SRT8)	2005	2010	6.1L
54-10712	51-10712	75-10712	N/A	DODGE	MAGNUM	2005	2008	5.7L
54-10922	51-10922			DODGE	Challenger/Charger/Chrysler 300	2006	2010	3.5L
54-10922	51-10922			DODGE	MAGNUM	2005	2008	3.5L
54-10622	51-10622	75-10622	N/A	DODGE	DURANGO	2004	2009	4.7L
54-10622	51-10622	75-10622	N/A	DODGE	DURANGO	2004	2009	5.7L
54-10502	51-10502	75-10502	N/A	DODGE	RAM 1500/2500/3500	2003	2008	5.7L
54-11992	51-11992			DODGE	RAM 1500/2500/3500	2003	2008	5.7L
54-12012	51-12012			DODGE	RAM 1500	2002	2007	4.7L
54-10382	51-10382	75-10382	N/A	DODGE	1500/2500/3500	2003	2006	5.7L
54-10431	51-10431	75-10431	N/A	DODGE	NEON	2000	2005	2.0L
54-10582	51-10582	75-10582	N/A	DODGE	NEON SRT-4	2003	2005	2.4L
54-10132	51-10132	75-10132	N/A	DODGE	DAKOTA/DURANGO	2000	2003	5.9L
54-10212	51-10212	75-10212	N/A	DODGE	1500	2002	2003	4.7L
54-10372	51-10372	75-10372	N/A	DODGE	DAKOTA/DURANGO	2000	2003	4.7L
54-10112	51-10112	75-10112	N/A	DODGE	1500 SERIES PICKUP	1994	2001	5.2L
54-10112	51-10112	75-10112	N/A	DODGE	1500 SERIES PICKUP	1994	2001	5.9L
54-10362	54-10362	75-10362	N/A	DODGE	DAKOTA	1997	1999	5.2L
54-10362	51-10362	75-10362	N/A	DODGE	DURANGO	1998	1999	5.2L
54-10362	51-10362	75-10362	N/A	DODGE	DAKOTA	1997	1999	5.9L
54-10362	51-10362	75-10362	N/A	DODGE	DURANGO	1998	1999	5.9L
54-12099				JEEP	WRANGLER (JK)	2012	2014	3.6L
54-76204	51-76204	75-76204		JEEP	WRANGLER (JK)	2012	2014	3.6L
F2-06201				JEEP	WRANGLER (JK)	2012	2014	3.6L
54-12092-1	51-12092-1	75-12092-1		JEEP	WRANGLER (JK)	2012	2013	3.6L
54-11252-2	51-11252-2	75-11252-2	75-11252-2V	JEEP	WRANGLER (JK)	2007	2011	3.8L
54-11252-1	51-81252	75-81252		JEEP	WRANGLER (JK)	2007	2011	3.8L
F2-06202				JEEP	WRANGLER (JK)	2007	2011	3.8L
54-76203	51-76203	75-76203		JEEP	WRANGLER (JK)	2007	2011	3.8L
54-11192	51-11192	75-11192		JEEP	GRAND CHEROKEE (SRT8)	2006	2010	6.1L
54-10242	51-10242	75-10242		JEEP	COMMANDER	2006	2007	5.7L
54-10242	51-10242	75-10242		JEEP	GRAND CHEROKEE	2005	2007	5.7L
54-10252	51-10252	75-10252		JEEP	COMMANDER	2006	2007	4.7L
54-10252	51-10252	75-10252		JEEP	GRAND CHEROKEE	2005	2006	4.7L
54-10142	51-10142	75-10142	N/A	JEEP	WRANGLER TJ	1997	2006	4.0L
54-76202	51-76202	75-76202		JEEP	WRANGLER (TJ)	1997	2006	4.0L
54-10162	51-10162	75-10162	N/A	JEEP	GRAND CHEROKEE	1999	2005	4.7L
54-10232	51-10232	75-10232	N/A	JEEP	LIBERTY	2002	2003	3.7L
54-11832	51-11832	75-11832		JEEP	WRANGLER (TJ)	1997	2002	2.5L
54-10422	51-10422	75-10422	N/A	JEEP	CHEROKEE	1991	2001	4.0L
54-11552	51-11552	75-11552		JEEP	CHEROKEE (XJ)	1991	2001	4.0L
54-10152	51-10152	75-10152	N/A	JEEP	WRANGLER YJ	1991	1995	4.0L
54-76201	51-76201	75-76201		JEEP	WRANGLER (YJ)	1991	1995	4.0L
54-10642	51-10642	75-10642	N/A	CHRYSLER	PT CRUISER GT	2003	2006	2.4L
54-10352	51-10352	75-10352		CHRYSLER	PT CRUISER (NON TURBO)	2001	2006	2.4L
54-11442				CHRYSLER	PT CRUISER (NON TURBO)	2001	2002	2.4L